



Model: CR12XCN08DPCY-E2

Features

- One-piece housing with high-brightness LED indicator
- IP67 protection class which is effectively moisture-proof and dust-proof
- Enhance detection distance. Sensitivity adjustment adopts multi-turn potentiometer so as to reach higher adjustment accuracy
- High reliability, excellent EMC design with protection against short circuit, overloaded and reverse polarity
- Widely used in both metal and non-metal (plastic, powder, liquid, etc.) material testing

Part Number

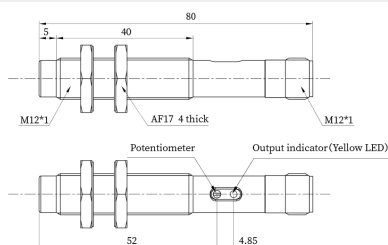
NPN NO	CR12XCN08DNOY-E2	PNP NO	CR12XCN08DPOY-E2
NPN NC	CR12XCN08DNCY-E2	PNP NC	CR12XCN08DPCY-E2

Technical Specifications

Installation type	Non-Flush	Indicator	Output indication:Yellow LED
Reted Distance S_n	8mm①	Switching frequency	25Hz
Assured Distance S_a	≤ 5.76 mm	Ambient Temperature	When working:-25...70°C(No icing, No condensation) When storing:-30...80°C(No icing, No condensation)
Adjust the distance	3...12mm	Environment humidity	35...95%RH(No icing, No condensation)
Adjustment method	Single-turn potentiometer	Vibration resistant	10...55Hz,Dual amplitude 1mm(2 hours each in X, Y, and Z directions)
Standard test object	Fe 24*24*1t(Grounded)②	Impulse withsand	30g/11ms,3 times each for X,Y,Z direction
Supply voltage	10...30VDC	High pressure resistant	1000V/AC 50/60Hz 60s
Load current	≤ 200 mA	Insulation resistance	≥ 50 M Ω (500VDC)
Residual voltage	≤ 2 V	Shape specification	M12*1*80mm
Consumption current	≤ 20 mA	Protection degree	IP67
Switch point offset [%/Sn]	$\leq \pm 10\%$	Housing material	Nickel copper alloy
Temperature drift [%/Sr]	$\leq \pm 20\%$	Connection Type	M12 Connector
Hysteresis range [%/Sr]	3...20%	Accessories	M12 nuts×2, Slotted screwdriver, Operation manual
Repetitive error [R]	$\leq 5\%$		
Circuit protection	Short circuit protection,Overload protection Reverse polarity protection		

NOTE:1.the factory default sensing distance is $S_n \pm 10\%$ 2.unit:mm

Dimensions



Wiring Diagram

